### Installation ###

https://guyrking.com/2018/09/22/encrypt-files-with-git-crypt.html

https://www.ryadel.com/en/centos-linux-make-g-command-not-found-how-to-fix/

yum install gcc-c++

Prerequisites

Install Homebrew (macOS only)

Install GPG (on Linux, this is probably already installed; on macOS, brew install gpg)

Install git-crypt

Linux

Clone the repo ------------------------------------------------------------------------------> git clone https://github.com/AGWA/git-crypt.git

cd /path/to/git-crypt

make

git-crypt --version should work - otherwise cp /path/to/git-crypt/git-crypt /usr/local/bin

More installation details

Mac OS X

brew install git-crypt

A Git repository <my-repo> to which you would like to add new files to be encrypted

#### Ubuntu-18

apt install -y git-crypt

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Encrypt files

cd /path/to/<my-repo>

git-crypt init

touch .gitattributes

Specify future files to encrypt in .gitattributes

<files-to-encrypt> filter=git-crypt diff=git-crypt

where <files-to-encrypt> follows the same syntax as files specified in .gitignore

Add files specified in .gitattributes to <my-repo> and push up to Git host

Verify in Git host files are encrypted

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https://serverfault.com/questions/214605/gpg-does-not-have-enough-entropy

Have you had a look at RNG?

Fedora/Rh/Centos types: sudo yum install rng-tools

On deb types: sudo apt-get install rng-tools to set it up.

Then run sudo rngd -r /dev/urandom before generating the keys.

gpg --gen-key

gpg --list-keys

git-crypt add-gpg-user "Muhammad Asim <quickbooks2018@gmail.com>"

git-crypt status

git-crypt status -f

LOCKING

##############################################################################

-----> <file-name>--> .gitattributes ---> which you want to be encrypt example

vim .gitattributes

README.md filter=git-crypt diff=git-crypt

\*.md README.md filter=git-crypt diff=git-crypt

#where <files-to-encrypt> follows the same syntax as files specified in .gitignore

vim .gitignore

README.md filter=git-crypt diff=git-crypt

##################################################################################

gpg --list-keys

git-crypt add-gpg-user "Muhammad Asim <quickbooks2018@gmail.com>"

git-crypt status -f

-------------------------------------------------------------------------------------------> "At this Point Must Do -----> git-crypt export-key /path/to/key"

git-crypt status ---> (You will see your file is encrypted)

git add \*

git status

git commit -m "Learning encryption"

git push origin master

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UN-LOCKING

git-crypt status

git-crypt status -f

git-crypt status

---------------------------------------------------------------------------------------------------> git-crypt unlock /path/to/key

#######################################################################################

# When pushing Again

git-crypt lock

git add \*

git status

git commit -m "Learning encryption"

git push origin master